# Decode lightbar status (diagnostic LEDs) for a non-booting Fuel

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## Symptom(s):

Decode lightbar status (diagnostic LEDs) for a non-booting Fuel

## Fact(s):

Silicon Graphics Fuel
SGI Fuel
Lightbar
Diagnostic LEDs

## SGI Solution:

Here is what the various lightbar status routines mean, along with what action should be taken:

| Lightbar Status | Meaning | Action |
|---|---|---|
| Off (maybe after experiencing an led sequence briefly) | system is off | check power cord/electrical supply, replace PSU or IP34 |
| Blinking white | system is powering on/off | review Primus solution |
| Solid white (no display) | PROM boot successful | replace systemboard or graphics card |
| Solid red | system board failure | replace system board/PIMM |
| Blinking red | memory failure | reseat/replace memory or IP34* |
| Blinking red/white (alternating) Problems with the keyboard/mouse may produce blinking red & white (graphics error condition). | graphics/keyboard error | reseat/replace graphics board |
| Blinking red/red/white/white | faulty secondary cache | replace processor or IP34 |

*Order the IP34 and one of each DIMM type in the system according to the clarify config or relevant sales order (2 x DIMM type occupying bank 1).

### Answers others found helpful

- Hardware End of Support Matrix
- Fuel - Blinking white LED, system power cycles or reboots on its own.
- How-to lock the Ethernet Interface to 100mbit/full duplex on a Fuel

### Additional Details

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|---|---|
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| **Products** | • Servers and Clusters<br>• SGI Origin/Onyx<br>• Origin/Onyx Server<br>• Workstations<br>• SGI Tezro<br>• O2<br>• Octane |
| **Categories** | • Knowledgebase<br>• Technical Solution |